

#GLOBAL WARMING

Diamonds could be a brilliant climate solution

Dust from the precious gems might be the planet's best friend.



The Earth needs to chill and showering it in bling could be the way to do it. Scientists are interested in depositing diamond dust into the atmosphere in order to reflect sunlight and cool down the planet. Though using diamond could be more effective and safer than using other particles, the price may not allow the feasibility of such diamond-tossing.

Reflection in the sky with diamonds

A climate change takes a toll on Earth, scientists are considering methods to cool the atmosphere. One method being discussed is a solar geoengineering technique which involves depositing sulfur dioxide particles into the stratosphere to 'mimic the natural cooling effects of volcanic eruptions' and reflect solar radiation away from the planet.

The method would likely reduce Earth's temperature, but it also has some worried about how the particles will affect the atmosphere. Some effects might include potential ozone depletion and acid rain. Experts have now suggested that a different particle may be a better option, diamonds, or more specifically, diamond dust.

Injecting diamond particles into the atmosphere could provide the benefits of sulfur dioxide while curbing some of the risks. Researchers tested seven particles as potential atmospheric aerosols and ranked

The price of ice

While diamond dust shows promise, cost is the biggest barrier to implementation. According to the study, 5 million tons of inert diamond dust could potentially cool the planet by almost 1.6 degrees Celsius in 45 years. "But, diamond powder costs are 2,400 times those of sulfur and require far more industrial diamond than is currently produced in the world," said a 2020 study published in the journal *Environmental Research Letters*. The project would cost approximately \$175 trillion.

Conversely, sulfur compounds are 'basically free,' Douglas MacMartin, an engineer at Cornell University, said to *Science*. "If you ask me today what's going to get deployed, it's gonna be sulfate." Along with the low

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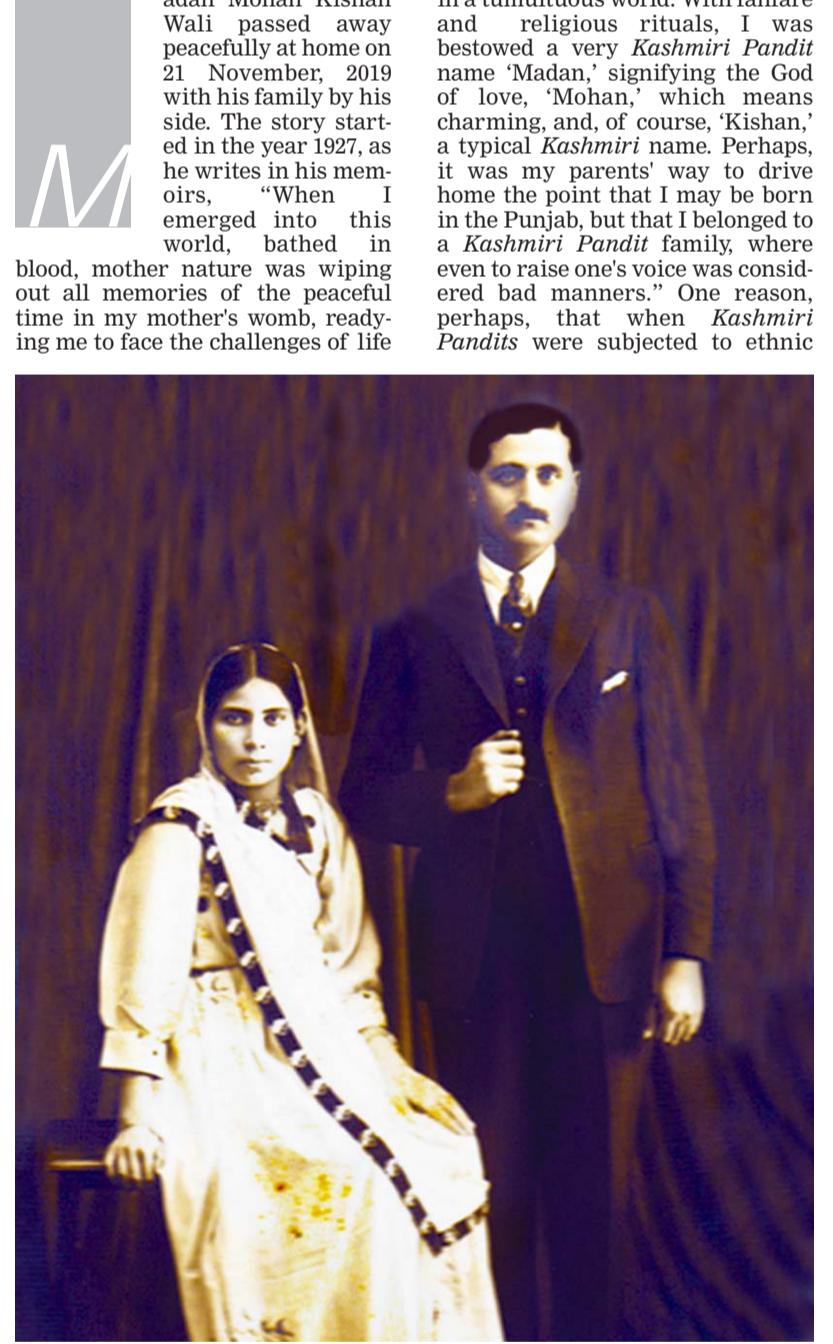
Ajay Singh

He is a prolific writer and a well-known organizer of literary events



Dr. Charu Wali Khanna

Besides being MMK Wali's daughter, she is also a close witness to the trials and triumphs of his life. In addition, she is a leading human rights lawyer and counsel for the Union of India in the Supreme Court.



MMK Wali's Parents, Lakshmi and Man Mohan Krishan Wali.

Madan Mohan Kishan Wali passed away peacefully at home on 21 November, 2019 with his family by his side. The story begins in Sialkot in the year 1927, as he writes in his memoirs, "When I emerged into this world, bathed in blood, mother nature was wiping out all memories of the peaceful time in my mother's womb, readying me to face the challenges of life

in a tumultuous world. With fanfare and religious rituals, I was bestowed a very *Kashmiri Pandit* name 'Madan,' signifying the God of love, 'Mohan,' which means charm and grace. 'Wali' is a typical *Kashmiri* name. Perhaps, it was my parents' way to drive home the point that I may be born in the Punjab, but that I belonged to a *Kashmiri Pandit* family, where even to raise one's voice was considered bad manners.' One reason, perhaps, that when *Kashmiri Pandits* were subjected to ethnic perambulating their bed.

cleansing, the tragedy went largely unnoticed, with hardly a voice ever raised on our behalf.

I was born in Sialkot, which was as *Punjabi* as one could get those days, before the land of the five rivers was divided along religious lines.

We were fortunate to have left Lahore before riots broke out and the whole of India witnessed a bloody carnage. The wounds from those turbulent times may have healed, but remained, efforts to repair them seems to be a curse. With this massive exercise under the name of National Population Register being undertaken, I dread the questions my daughters will need to answer. They will be asked the date and place of birth, of both parents, along with documents to verify claims of citizenship. One may even have to produce documents proving lineage, including where and when your grandparents were born. My middle daughter, Charu, with whom I hope to spend my last days in peace, will have to bear the brunt of such bureaucracy. I could never imagine for a moment that I will ever need to explain and justify my existence in my own motherland.

I can imagine the conversation that will take place between Charu and the inspector, something on the lines of an exchange, which took place between an insensitive, bigoted inspector and my Mamujuan

These are the memoirs of Madan Mohan Kishan Wali (MMK Wali), an esteemed IAS officer, who held several notable positions in the corridors of administrative power and governance. Born pre-independence, in what is now Pakistan, he experienced the tempestuous years of India's partition as a young man, then, went on to join the IAS and to make his mark in the building of a nation. Spanning almost a century, his journey is as narrated by him, starting from his boyhood, creating his close-knit family, rising to a successful career and being at the helm during many momentous events of the 1980s. He shares interesting anecdotes, candid reflections and personal experiences. A unique insider's view, rich with wisdom and woven together with his love of Urdu poetry. He takes the reader with him on a journey through his life and its many twists and turns.

-Editor, Arbit



Road Safety Week

Road Safety Week, an annual event that takes place globally, is a time when we all come together to raise awareness about the importance of road safety. The week is dedicated to remembering those who have lost their lives on the roads and to educating the public about how to prevent future tragedies. It's a week that brings together individuals, schools, businesses, and public agencies to highlight the part that each of us can play in making our roads safer for everyone. Staying alert, following traffic laws, and avoiding distractions while driving can keep you and others safe on the road.



PART:5

#UNDAUNTED BY STRIFE



MMK Wali's father standing behind Maharaja of Alwar.

SAVE THE DATE

RASHTRADOOT CORDIALLY INVITES YOU TO AN INTERACTIVE TALK SESSION ABOUT THE LIFE AND TIMES OF M.M.K. WALI WITH THE AUTHORS AJAY SINGHA AND CHARU WALI KHANNA AT RASHTRADOOT.

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ON: 24.11.2024 AT: 05:00 PM

denly change the inspector's demeanour.

"Sorry, madam, your surname was misleading. How come?"

"OK, so, I need to tell you. Our ancestor was awarded the title 'Wali,' meaning a Muslim saint or a very holy person by a Sultan of the Pushkin Durrani Empire, whom he had cured of a serious ailment, by perambulating his bed. Well, what ever!"

My father was a Barrister-at-Law from Lincoln's Inn, though he had actually gone to England to study Economics at the London School of Economics. He soon discovered that economics was not exactly his cup of tea, so he moved on to study law. It was a family secret that he was also involved in some anti-colonial activities in

British would hire someone who had been blacklisted earlier. In 1845, when war broke out between the Sikhs and the British, the *Rajas* of Suket and Mandi took the side of the British, and signed a Treaty of Alliance with them. Most probably, the people in remote Suket hadn't the faintest clue that my father's name was blacklisted in England for anti-colonial efforts.

In many of north India, expecting mothers traditionally moved back to their natal home for the birth of the first child, the assumption being that she would not get burdened with household responsibilities, would be well-looked after and thus ensure a trouble-free delivery. But I was not born in my mother's natal home, which was in the princely State of Jodhpur-Marwar. My *nani* (maternal grandmother), Sukhi Bai Wattal was sister of Sir Sukhdev Prasad Kak, C.I.E., Rai Bahadur, Kaiser-e-Hind, who along with her husband, Surak Prakash Wattal, lived in the desert city of Jodhpur, seat of one of the oldest living dynasties, the rulers of Marwar, and now a popular tourist destination. Nana was the Principal of a college and had successfully nurtured and upgraded it from a lower secondary school to graduate level. When it came to matters of his family, my grandfather had little faith in people from the education sector often chiding them to be 'good for nothing' as follows:

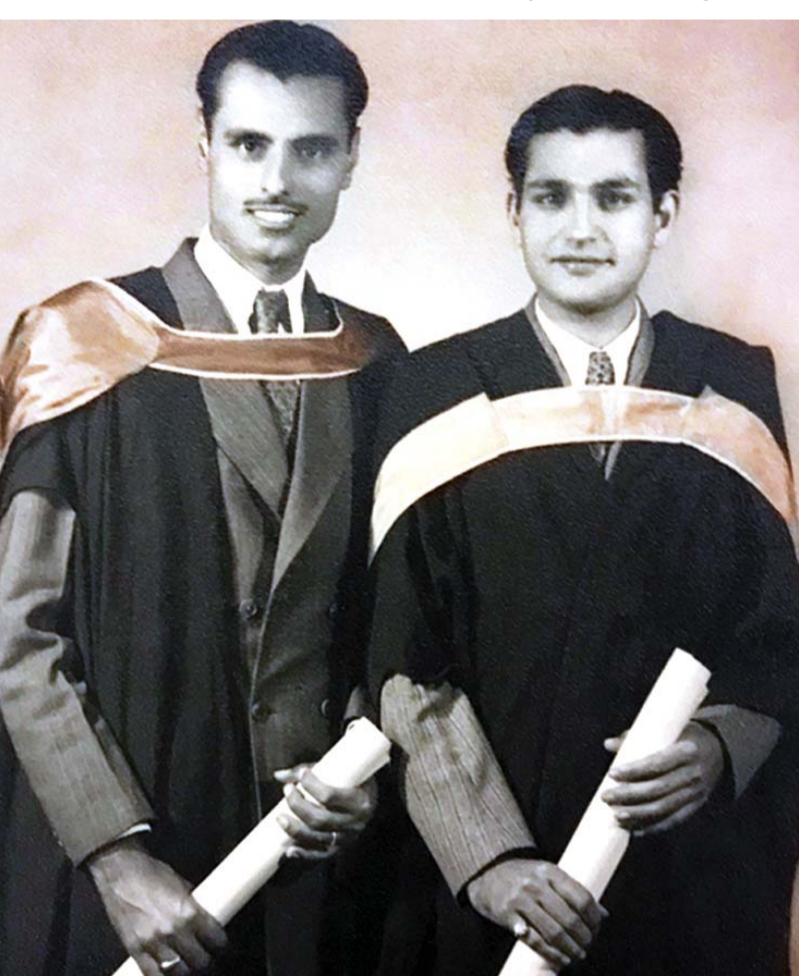
"He decided against sending his daughter-in-law to her maternal home in Jodhpur. My grandfather's younger brother, my father's *Chacha* was the Superintendent of Jails in Sialkot and had access to medical facilities and maid servants to wait on my mother. The opinion of the to-be parents was not given any credence and it was finalised that my father will take his wife to Sialkot. She would be in the care of granduncle's family till the child was born."

He would point out different trees, their leaves, their local names and the special medicinal properties associated with each. He had built his own knowledge of flora and fauna of the area and patiently explained the peculiarities of each specimen. I would keep pestering him with questions but he was patient and quite happy entertaining my curiosity. I can still feel the light drizzle and the mist that hung in the mountain air during our excursions. My love for nature was kindled by his gentle ministrations from an early age.

अपनी ममिले तो बहुत हैं,
सितारों के आगे जाने और भी हैं
अपनी इकू के दूनियां और भी हैं।

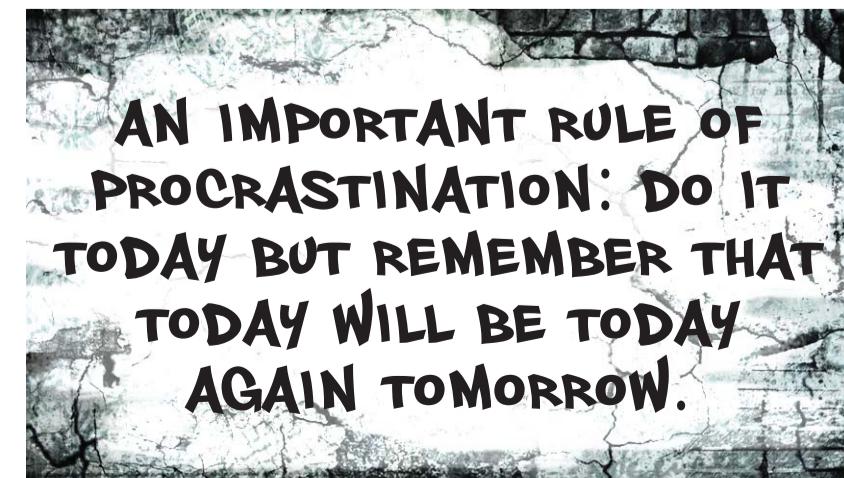
To be continued

rajeshsharma1049@gmail.com



Graduation.

THE WALL

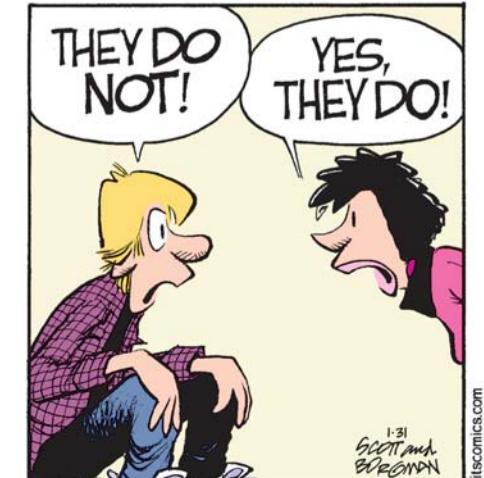


BABY BLUES



Rick Kirkman & Jerry Scott

ZITS



By Jerry Scott & Jim Borgman



TRUE VALUE

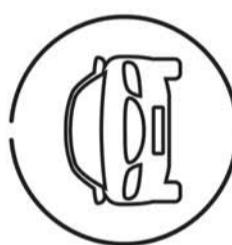
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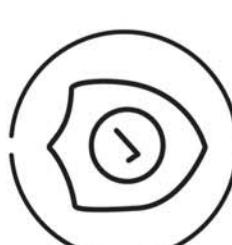
CELEBRATING
50 LAKH HAPPY FAMILIES

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वेरिफाइड
कार हिस्ट्री*



3 फ्री सर्विस और
1 साल तक की वारंटी*



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*नियम और शर्तें लागू। Verified Car History और Warranty के बारे में पूरी जांच के लिए अधिक जानकारी के लिए सेवा केवल श्रम शुल्क पर लागू है। वाहन पर काला शीशा प्रकाश प्रभाव के कारण होता है।



अधिक
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